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CONSULTANTS & TESTING CENTER

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 Date: 02.05.2014

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Sri.Shivakumar K,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17
REFERENCE	:	EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	160Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	360Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

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No.: CECTC-SK-PMC-2014-15 Date : 02.05.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

ent : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.

ency : **Sri.Shivakumar K,** Contractor, Bangalore.

me of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17

ference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014

te of Testing : 02.05.2014

terial : Sand Total Wt. of Aggregates 1500

s Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	65	4.33	4.33	95.7	90-100
2.36	128	8.53	12.87	87.1	75-100
1.18	369	24.60	37.47	62.5	55-90
600 Micron	367	24.47	61.93	38.1	35-59
300 Micron	305	20.33	82.27	17.7	8-30
150 Micron	246	16.40	98.67	1.3	0-10

lote:
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

No.: CECTC-SK-PMC-2014-15 Date : 02.05.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

ent : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.

ency : **Sri.Shivakumar K,** Contractor, Bangalore.

ıme of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17

:ference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014

ıte of Testing : 02.05.2014

ıterial : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

s Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	170	1.13	1.13	98.87	95-100
20	8649	57.66	58.79	41.21	30-70
10	3321	22.14	80.93	19.07	10-35
4.75	2376	15.84	96.77	3.23	0-5

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

No.: CECTC-SK-PMC-2014-15 Date : 02.05.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

ient : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.

gency : **Sri.Shivakumar K,** Contractor, Bangalore.

ame of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17

eference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014

ate of Testing : 02.05.2014

laterial : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	168	3.4	3.4	96.6	95-100
10	2467	49.3	52.7	47.3	25-55
4.75	1985	39.7	92.4	7.6	0-10

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 Date: 01.06.2014

TEST REPORT OF CONCRETE CUBES

Client	:	**Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
Contractor	:	**Sri.Shivakumar K,** Contractor, Bangalore.
Name of Work	:	Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17
Refrence	:	EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014
Sample ID	:	Cement Concrete
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
Age of testing	:	28 Days
Technical Reference	:	IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	:	M_{20}

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.05.2014	01.06.2014	8.180	515.4	22.91
2	04.05.2014	01.06.2014	8.172	522.4	23.22
3	04.05.2014	01.06.2014	8.167	512.6	22.78

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